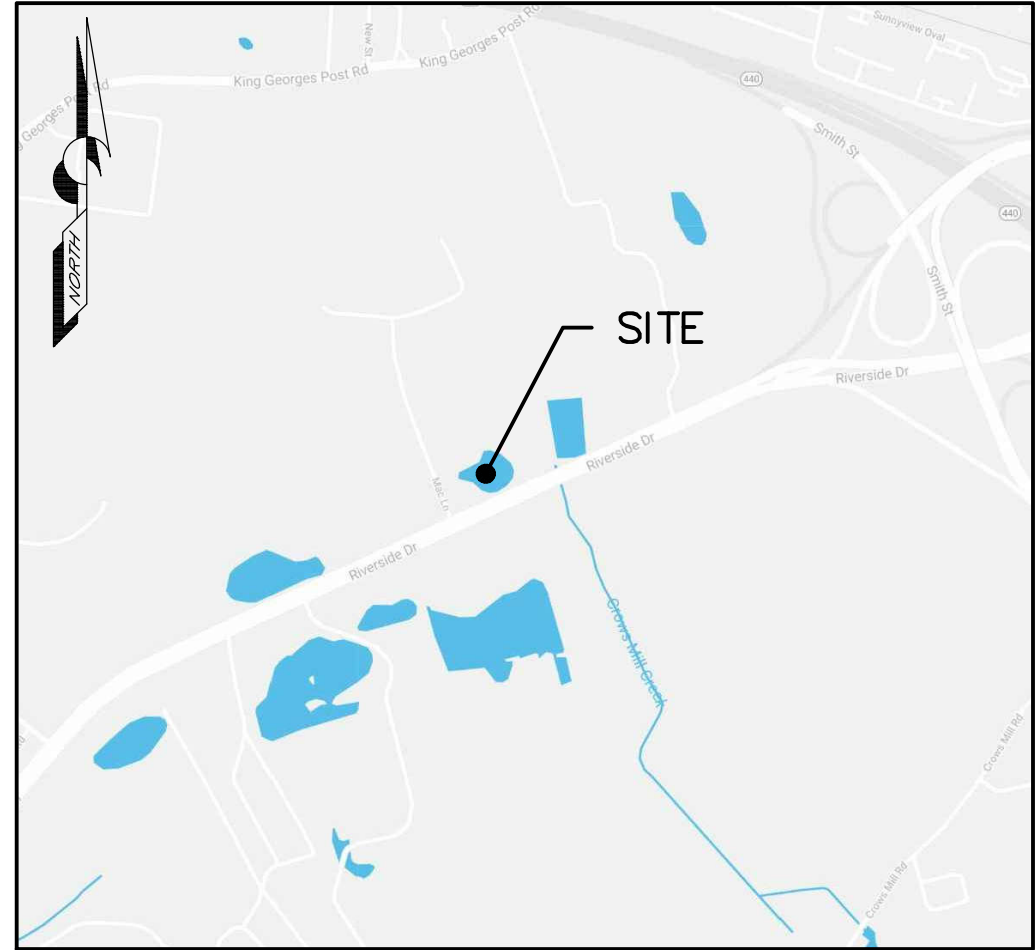
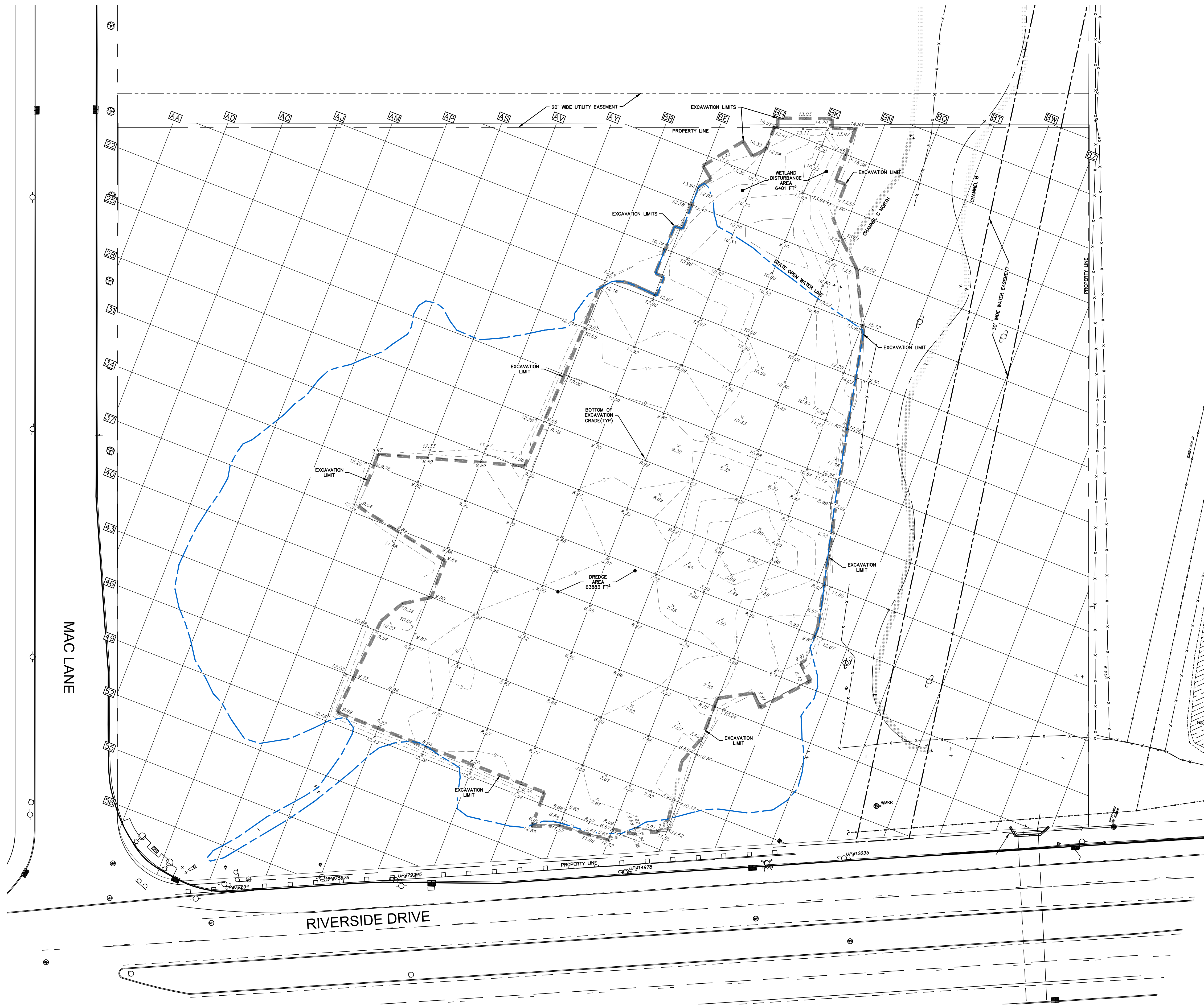
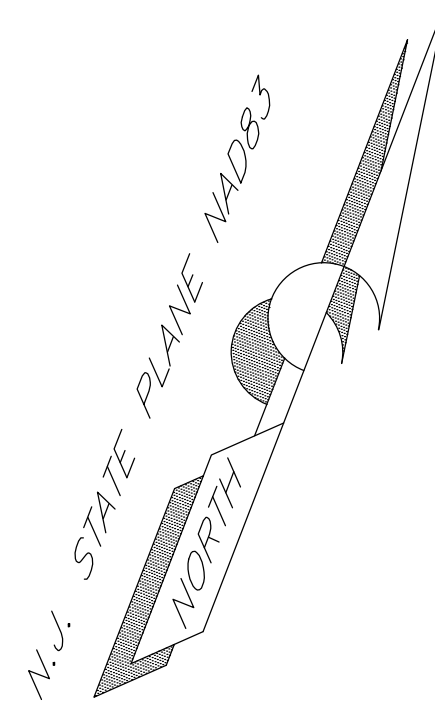


**Appendix M**  
**As-Built Drawings**



VICINITY MAP  
(NOT TO SCALE)

NOTES

1. BOUNDARY INFORMATION SHOWN HEREON FROM PLANS ENTITLED "WOODBIDGE POND REMEDIATION CONSTRUCTION" HATCO CORPORATION SITE, WOODBRIDGE TOWNSHIP, NEW JERSEY, OCTOBER 2018. PREPARED BY WESTON SOLUTIONS.
2. TOPOGRAPHIC INFORMATION SHOWN HERE ON FIRM ACTUAL FIELD LOCATIONS PERFORMED BY THIS FIRM THROUGH 08/05/19 AND CONTRACTOR'S NOTES.
3. NEW JERSEY STATE PLANE COORDINATES (NAD83 - HORIZONTAL, AND NAVD88-2011) ESTABLISHED FROM RTK GPS OBSERVATIONS.

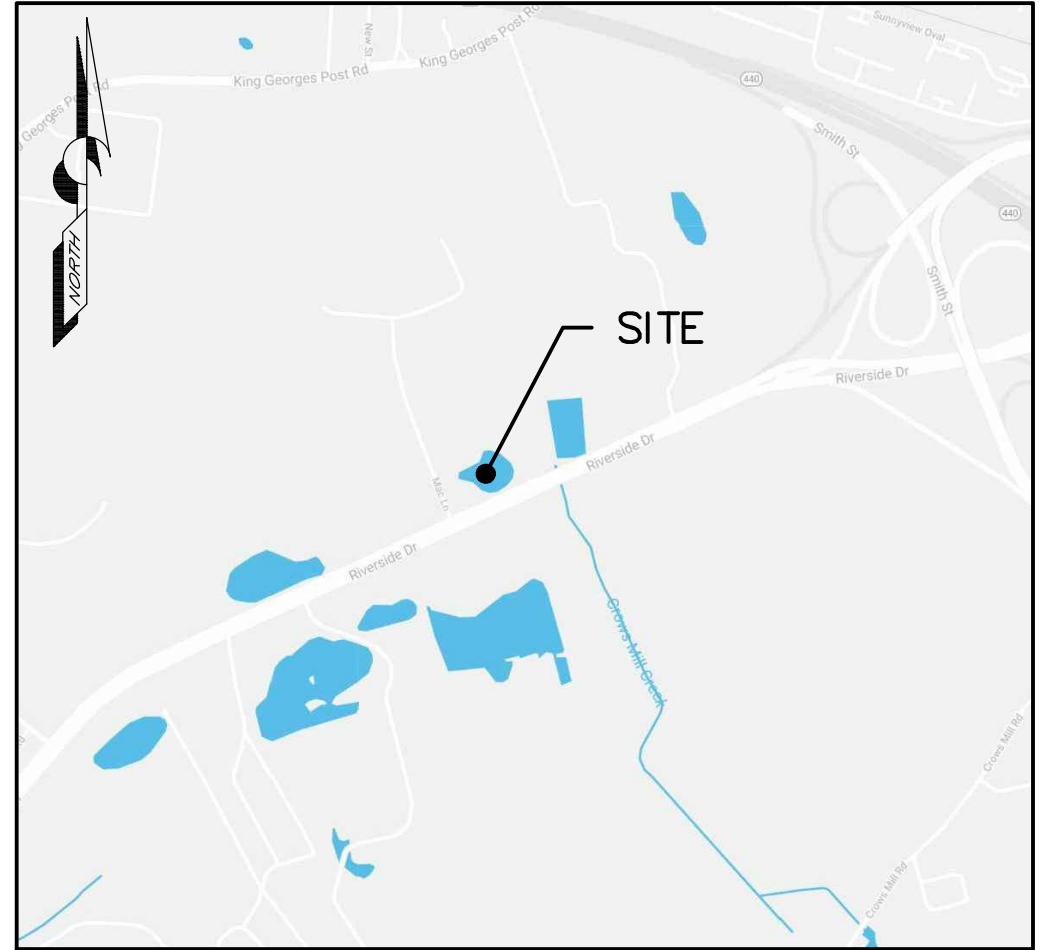
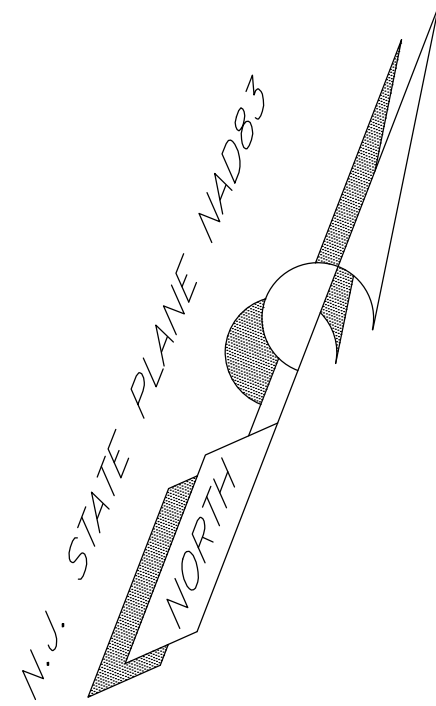
EXCAVATION AS-BUILT SURVEY  
WOODBIDGE POND  
WOODBIDGE, NEW JERSEY

<b>KSS</b>		<b>KENNON SURVEYING SERVICES INC.</b>	
		5 POWDER HORN DRIVE, SUITE 4 P.O. BOX 4477 WARREN, NEW JERSEY 07059	
CERTIFICATE OF AUTHORIZATION NO. 27944900			
PHONE: 732-564-1818		EMAIL: KSS@KENNONSURVEYING.COM	
date	10/11/19	scale	1" = 30'
proj. no.	3008	sheet	1 OF 1

KENNY L. KENNON, P.L.S.  
NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 37795

*Kenny L. Kennon*  
DATE: 10/11/19





VICINITY MAP  
(NOT TO SCALE)

NOTES

- BOUNDARY INFORMATION SHOWN HEREON FROM PLANS ENTITLED "WOODBIDGE POND REMEDIATION CONSTRUCTION" HATCO CORPORATION SITE, WOODBRIDGE TOWNSHIP, NEW JERSEY, OCTOBER 2018, PREPARED BY WESTON SOLUTIONS.
- TOPOGRAPHIC INFORMATION SHOWN HERE ON FIRM ACTUAL FIELD LOCATIONS PERFORMED BY THIS FIRM THROUGH 09/23/19 AND CONTRACTOR'S NOTES.
- NEW JERSEY STATE PLANE COORDINATES (NAD83 - HORIZONTAL, AND NAVD88-2011) ESTABLISHED FROM RTK GPS OBSERVATIONS.
- VEGETATIVE COVER MATERIALS WERE MANUFACTURED BY EXCAVATING MATERIALS & EQUIPMENT, INC. USING EQUAL VOLUMES CLEAN SAND BACKFILL AND SUPER-FINE PEAT MOSS TO CREATE A PRODUCT THAT WAS IDENTIFIED TO CONTAIN 13.7% ORGANICS USING METHOD ASTM D2974
- THE GRASSY MEDIAN ALONG MAC LANE WAS NOT PART OF THE AREA OF DISTURBANCE OR WETLAND DISRUPTION. AREA WAS SCARIFIED AND RESEDED AS PART OF FINAL SITE RESTORATION.

Plant Common Name	Plant Latin Name	Size	Spacing	Planting Bed	Qty.	Unit	Total Weight
Butterbush	Cephaelis occidentalis	1-2 gal	5' OC	Bed #2	200	EA	
Common Thinsquare	Schoenoplectus purgens	2" Plug	3' OC	Bed #2	200	EA	
Seed Mix A with Grain Rye Companion crop				Bed #2	7089	SF	8.12 lbs
Red Top	Quercus palustris	7 gal	5' OC	Bed #3	20	EA	
Southern Arrowwood	Viburnum dentatum	1-2 gal	5' OC	Bed #3	20	EA	
Sweet Pepperbush	Clethra alnifolia	1-2 gal	5' OC	Bed #3	20	EA	
Seed Mix B with Grain Rye Companion crop				Bed #3	949	SF	1.53 lbs
**White Water Lily	**Nymphaea odorata	2" Plug	3' OC	Bed #4	352	EA	
Fescue/Bluegrass/Rye Seed Mix				Bed #4	4293	SF	
				Grassy Median	3052	SF	0.92 lbs

Replacement for \*\*Spatterdock - Nuphar lutea

Seed Mix A

Botanical Names	Common Names	Indicator	% By Weight
Sparganium angustifolium	Giant Bur Reed	OBL	17.00%
Poa palustris	Fowl Bluegrass	FACW	15.00%
Carex vulpinoidea	Fox Sedge	OBL	15.00%
Carex lurida	Lurid Sedge	OBL	15.00%
Sparganium americanum	Lantern Bur Reed	OBL	7.00%
Scirpus atrovirens	Green Bulrush	OBL	5.50%
Carex lupulina	Hop Sedge	OBL	5.00%
Juncus effusus	Soft Rush	FACW+	3.00%
Carex cincta	Fringed Sedge	OBL	3.00%
Carex cornosa	Beedy/Cosmos Sedge	OBL	3.00%
Aster paniculatus (Symphyctrichum paniculatus)	Swamp Aster	OBL	2.00%
Asclepias incarnata	Swamp Milkweed	OBL	2.00%
Eupatorium perfoliatum	Boneset	FACW	2.00%
Spionocarpus tabernaemontani	Soft Stem Bulrush	OBL	2.00%
Verbena hastata	Blue Vervain	FACW	1.00%
Scirpus cyperinus	Wool Grass	FACW	1.00%
Solidago patula	Rough Leaved Goldenrod	OBL	1.00%
Lobelia spicata	Great Blue Lobelia	FACW+	0.50%
			100.00%

Seed Mix B

Botanical Names	Common Names	Indicator	% By Weight
Sorghastrum nutans	Indian Grass	UPL	25.00%
Schizanthus scoparium	Little Bluestem	FACW	25.00%
Elymus virginicus	Virginia Wild Rye	FACW	20.00%
Tripsacum daniellii	Purple Top	FAC	11.00%
Andropogon gerardii	Big Bluestem	FAC	10.00%
Panicum virgatum	Switch Grass	FAC	5.00%
Panicum clandestinum (Dactyloctenium)	Deer Tongue	FAC+	4.00%
			100.00%

Grassy Median Seed Mix - Northeast Blend

Botanical Names	Common Names	% By Weight
Sporobolus perennans	Perennial Ryegrass	80.00%
Lolium perenne	Lolium Perennial Ryegrass	30.00%
Molinia caerulea	Midnight Kentucky Bluegrass	15.00%
Cynodon dactylon	Cynodon Red Fescue	10.00%
Stylosanthes trifoliate	Survivor Cheeping Fescue	15.00%
		100.00%

- BED 2 - 7089 FT<sup>2</sup>
- BED 3 - 949 FT<sup>2</sup>
- BED 4 - 4293 FT<sup>2</sup>
- CHANNEL - 5489 FT<sup>2</sup>
- GRASSY MEDIAN ALONG MAC LANE - 3052 FT<sup>2</sup>
- SHORELINE STABILIZATION (APPROXIMATE)
- SUBSURFACE I-8 SAND BACKFILL AREA (APPROXIMATE)

RESTORATION AS-BUILT SURVEY  
WOODBIDGE POND  
WOODBIDGE, NEW JERSEY

**KSS** KENNON SURVEYING SERVICES INC.  
5 POWDER HORN DRIVE, SUITE 4  
P.O. BOX 4477  
WARREN, NEW JERSEY 07059

CERTIFICATE OF AUTHORIZATION NO. 27944900

PHONE: 732-564-1818 EMAIL: KSS@KENNONSURVEYING.COM

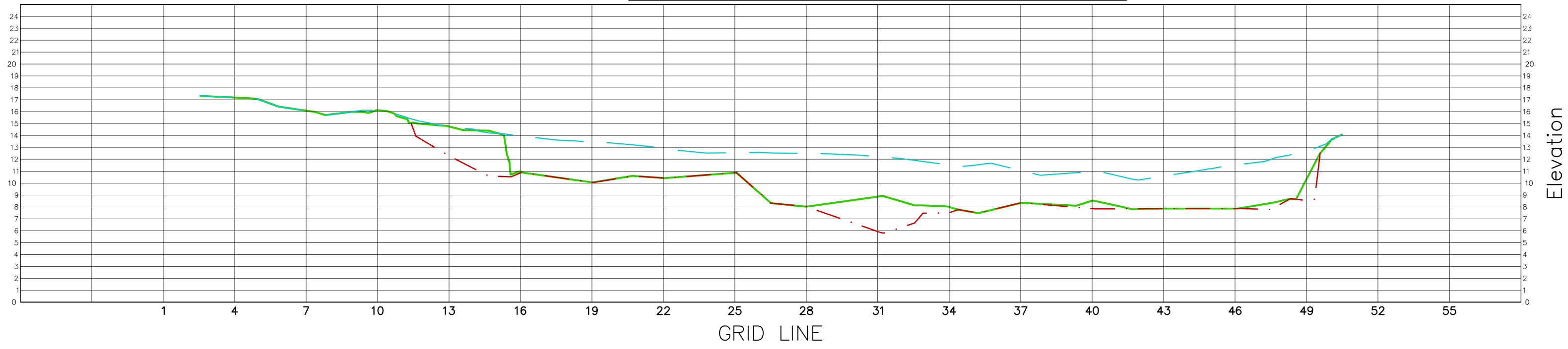
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KENNY L. KENNON, P.L.S.  
NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 37195

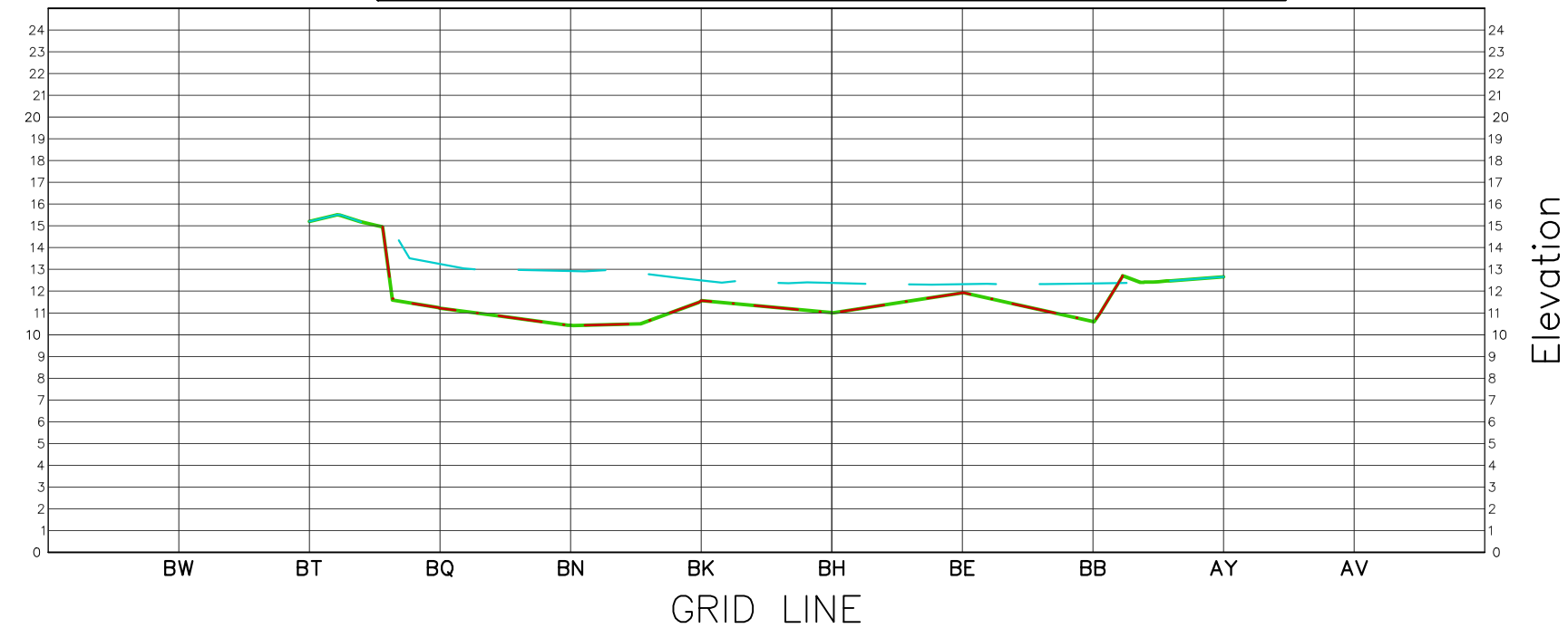
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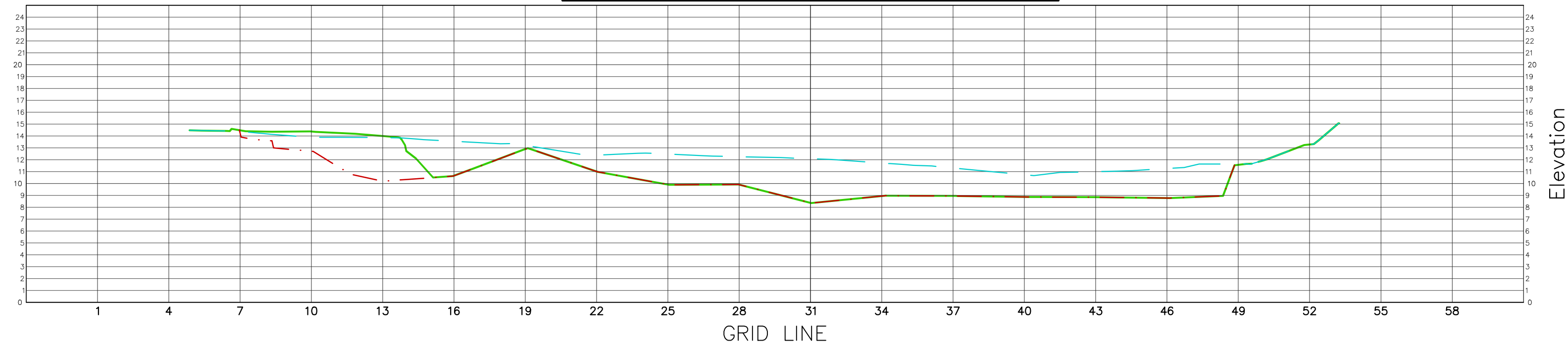
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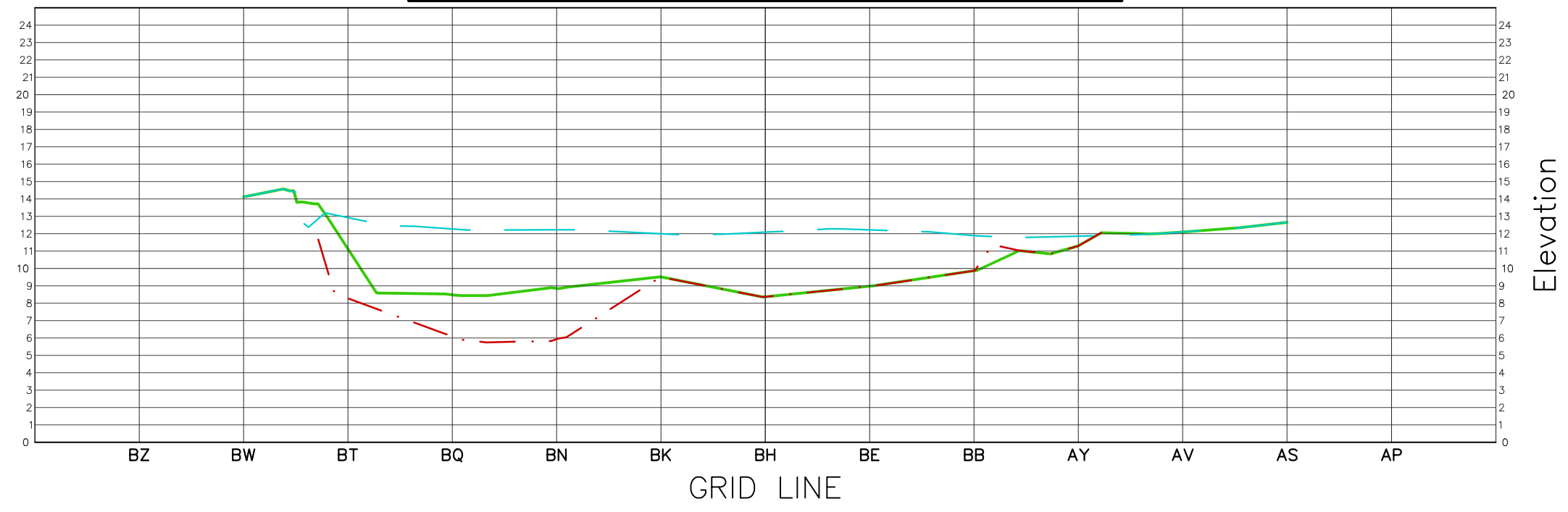
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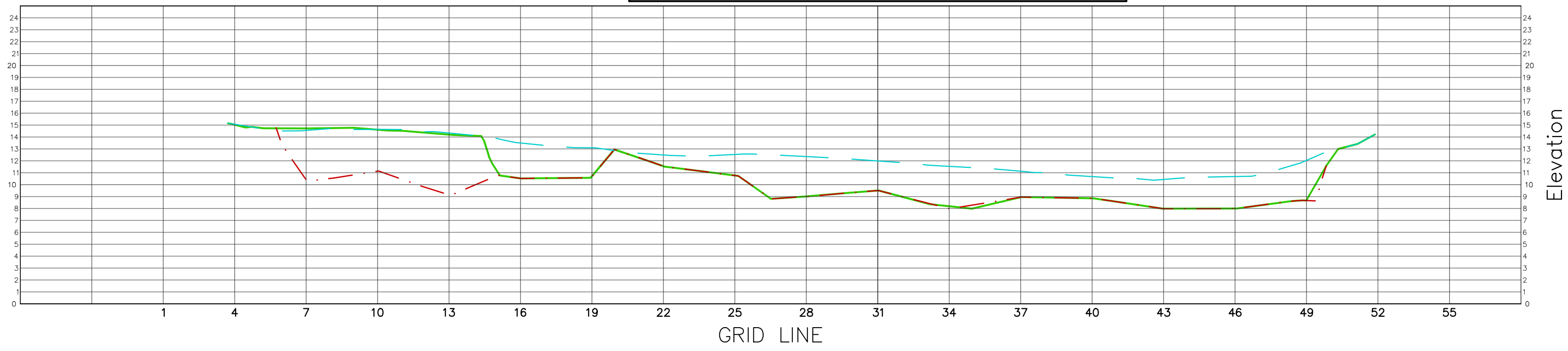
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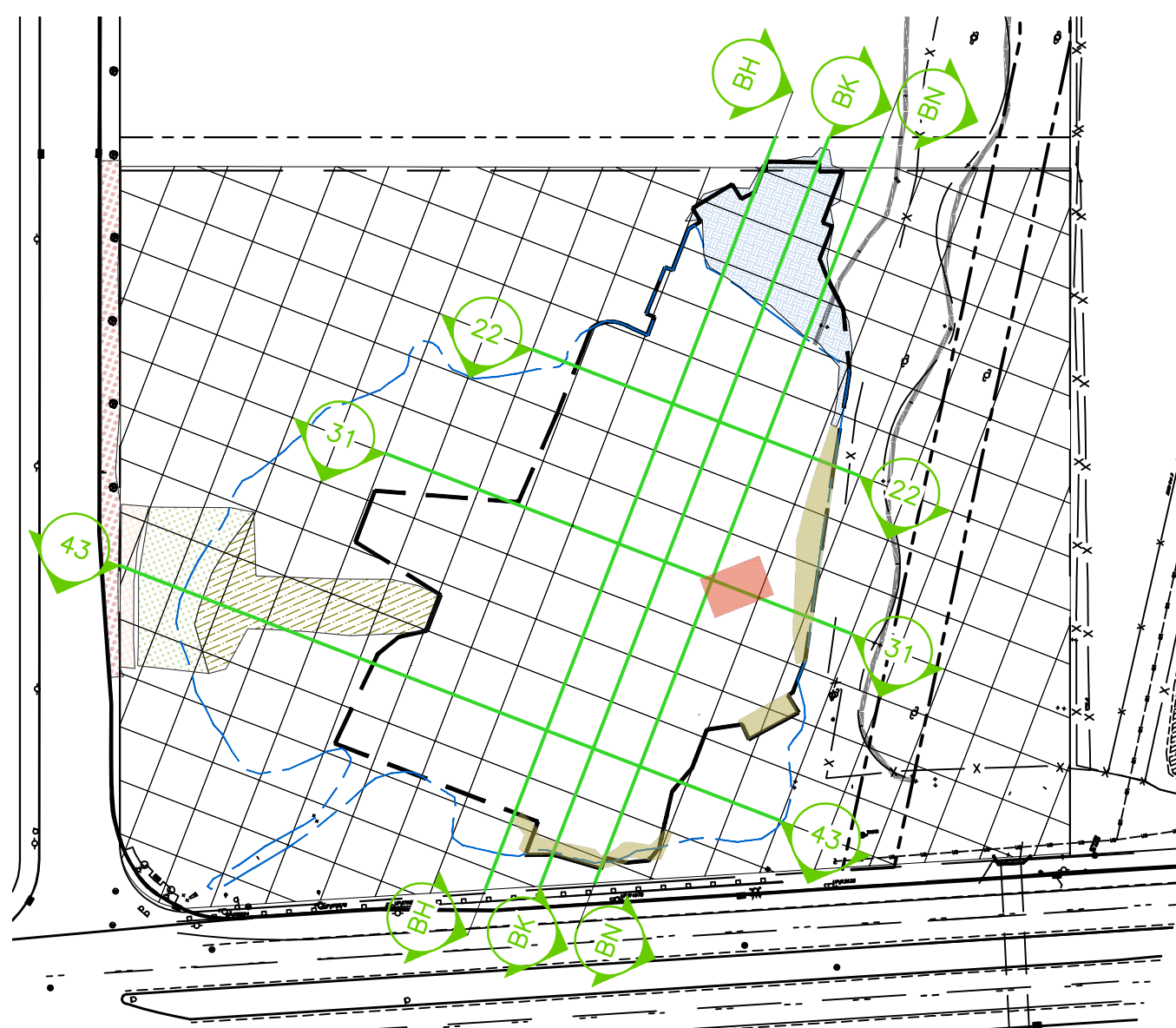
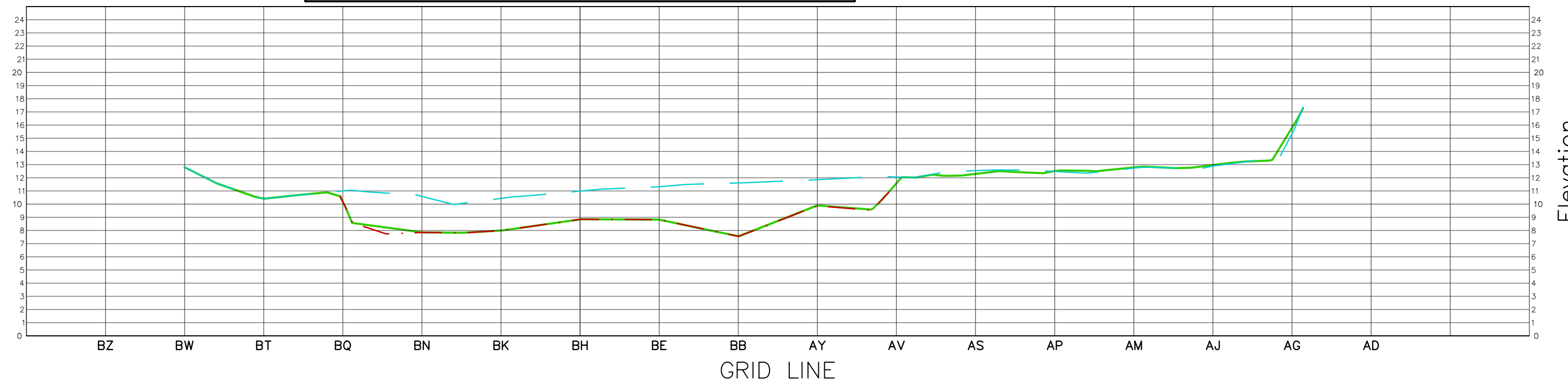
CROSS SECTION – GRID LINE 31



CROSS SECTION – GRID LINE BK



CROSS SECTION – GRID LINE 43



--- PRE-CONSTRUCTION  
 --- EXCAVATION  
 --- RESTORATION

HORIZONTAL SCALE: 1" = 40'  
 VERTICAL SCALE: 1" = 8'

NOTES

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RESTORATION AS-BUILT SURVEY  
 WOODBIDGE POND  
 WOODBIDGE, NEW JERSEY

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 date 10/11/19 scale AS SHOWN proj. no. 3008 sheet 2 OF 2

KENNY J. KENNON, P.L.S.  
 NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 37795

DATE: 10/11/19